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Army Aviation Support Facility #2

Part I: Overview of Business

The overall mission of the units that operate out of AASF #2 is to fly, maintain, and refuel UH-60 Black Hawk and UH- 72A Lakota helicopters. These aircraft and crew provide air movement support of personnel and equipment, conduct air assault operations, and perform humanitarian relief missions.

Part II: Job Specifics

- Maintenance is one of three parts of the overall mission at the AASF. Without it the aircraft would eventually breakdown and be unsafe to fly.
- Maintenance operations at this facility is shared between two groups. A crew located directly on the hanger floor and a group of “back shop” personnel responsible for more specific maintenance needs. Communication and tracking of maintenance between all parties involved is key to an efficient and safe operation.

Part III: Introduce the Problem

- As a consumer you are responsible for the maintenance of everything you purchase. As well as knowing how some of the items you purchase have been maintained.
- You need to identify two major purchases a person will most likely make in their lifetime and come up with a practical maintenance and inspection plan for both of them.
- You will then trade your plans with a classmate. They will decide whether or not they would buy your items based on the diligence of your plan, and explain their decision.

Part IV: Background

Students need to know:

- What parts and systems of a home and vehicle need to be inspected and maintained on a regular basis?
- How to organize and track large amounts of data that is relatively user friendly and easy to read.
- Owners manuals, commercial maintenance programs/apps

Part V: Business Solution

Years and years of data collection and service notes. Part/system serial number tracking system. Maintenance schedules based on flight hours for both inspections and part maintenance. Large database used to store and track all service performed on each aircraft.

Part VI: Student Solutions

- A spreadsheet with each inspectable/ serviceable item and its maintenance information. Such as, important dates, part description, hours/mileage checked, what work was performed, estimated costs, etc.
- A 3-4 sentence explanation on why they would or would not purchase said item. (Peer Review)